

The Concept



Many changes continue to occur as SBIR/STTR follows the vision of the Office of the Chief Technologist. However, we remain focused on helping small businesses and their technologies exceed their potential.

In this issue you will find upcoming 2011 solicitation dates, answers to frequently asked questions regarding phase II Enhancements, information on free engineering help for your company, and much more. We encourage you to contact our Technology Infusion Managers for help in better understanding the program as well as finding more opportunities to partner, collaborate, and receive additional funding and assistance to commercialize your technologies.

As NASA pioneers new frontiers for innovation, SBIR/STTR is excited to set the path for small businesses to be part of these discoveries.

Carl G. Ray
NASA SBIR/STTR
Program Executive

Highlights

- SBIR Phase II Award Funding Increases
- Engineering Help for Your Company
- 2011 Solicitation Dates
- SBIR Success Stories
- FAQs About Phase II-E

Find Yourself in NASA

NASA SBIR Success Story Gateway

Web site enabling small businesses to achieve success in their endeavors by highlighting successful projects.

TechSource

Information on current and recently completed SBIR/STTR Phase II projects. Facilitates the transition of resulting technologies into further development, investment, and utilization for NASA.

SBIR/STTR Hallmarks & Success Videos

A collection of short videos about successful companies that have participated in the SBIR and STTR programs.

Tech Briefs

Featuring exclusive reports of innovations developed by NASA and its industry partners, contractors that can be applied to develop new improved products and solve engineering or manufacturing problems.

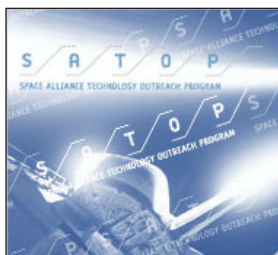
Technology Innovation

Providing information about NASA's technology needs and opportunities, as well as interesting facts and feature articles about our successes.

Spinoff

Providing NASA's premier annual publication of successful commercial and industrial applications of NASA sponsored technology.

executive corner



At a Glance

- Note the Phase II award amount has increased to \$750,000 for contracts awarded beginning 2011. For further details, please check the current 2010 solicitation online at: www.sbir.nasa.gov
- On August 26, the SOMD Space Communications and Navigation Program (SCaN) and the Ames Research Center SBIR/STTR Office hosted the SCaN SBIR Technology Commercialization Workshop. Glenn Delgado, Associate Administrator for Small Business Programs, was the keynote speaker, and provided details on the Mentor/Protégé program and its benefit to large industry and SBIR companies. The primary objective was to further the commercialization of SCaN-sponsored SBIR technologies. Presentations can be found at: www.spacecomm.nasa.gov/spacecomm/
- The Marshall Space Flight Center (MSFC) hosted the 2nd Annual SBIR/SBIR Technology Forum on September 21. The forum provided the opportunity for collaboration, leading to possible infusion and commercialization of SBIR and STTR technologies. Presenters included Deputy Manager of MSFC Procurement office, MSFC Chief Technologist, MSFC IPP Manager, and MSFC Small Business Specialist.



Above left: Attendees of the SCaN SBIR workshop hear about the mentor-protégé program from the Associate Administrator for the Small Business Programs (pictured on right).

2011 Solicitation Dates

July 7– Phase I Solicitation Period Opens

Sept 1- Phase I Solicitation Period Closes

Nov 23- SBIR Phase I Selection Announcement

Mark Your Calendar

Nov 8-10 – National SBIR Fall Conference (Oklahoma City, OK)



Apply the Technical Expertise Derived from the US Space Program

Space Alliance Technology Outreach Program (SATOP) is a FREE service designed to provide technical assistance and speed the transfer of space technology to the private sector. By giving technology assistance to small businesses, SATOP helps them solve their challenges and increase their chances of succeeding.

SATOP will provide up to 40 hours of engineering help to solve a technical challenge. The engineers are supplied through SATOP's network of Alliance partners, aerospace industry companies, NASA sub-contractors, and universities doing NASA research.

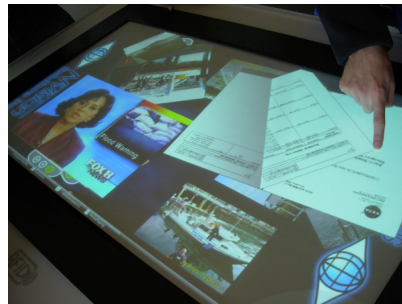
For more information about the program, visit: www.spacetechnsolutions.com

opportunities

Infusing Technologies into NASA: Success Stories

HazNet Emergency Management System

[Nvision Solutions](#) leveraged an SBIR 2008 Phase II award, investments from local governments, and the commercial sector to develop the Real-time Emergency Action Coordination Tool (REACT). Through a Phase III contract, NVision upgraded, enhanced and customized the web-based Geographic Information System (GIS)-centric "All Hazards Network" (HazNet) Emergency Management System (EMS) application for use at NASA Headquarters, Stennis Space Center and Michoud Assembly Facility.



HazNet incorporates maps, reports, Internet-derived data and real-time sensor input into a GIS-based display to provide organizations and officials with comprehensive information during emergency and disaster situations.

Above: Haznet at Stennis Space Center. Left: A group of people explore Haznet's capabilities at SSC. Also pictured on page 1: the NASA Haznet interface.

Inflatable Antenna Used in Search and Rescue

[GATR Technologies](#) - The inflatable antenna from the GATR Technologies® company can provide emergency Internet access, cell coverage, and phone lines over satellite networks via a compact package that can be deployed in less than an hour. Technology developed through a 1998 SBIR contract served as the basis for the technology, and the deployable antenna was further developed through a license agreement between GATR and the SBIR contract holder. Additional refinements, characterization, and tests on the technology were made possible by a 2006 Space Act Agreement (SAA) that tapped into Glenn's antenna expertise and test facilities and resulted in the first-ever Federal Communications Commission (FCC)-certified inflatable antenna.

In 2008, the GATR Antenna System helped support the Federal Emergency Management Agency's (FEMA's) efforts during Hurricane Ike. The technology also has been used to help law enforcement with missing person rescue missions, and has provided communications support to the U.S. Navy and the U.S. Air Force. Most recently, the company deployed a system at a United Nations search and rescue site in Port-au-Prince, Haiti, in response to the earthquake. And back at NASA, GATR's antenna is among other large aperture antennas being considered for NASA's next-generation Space Communication Architecture.



Left to right: GATR antenna deployed on rooftop in Afghanistan; GATR provided satellite links to medical staff and citizens supporting U.S. Navy Ship Comfort Mission (floating hospital) throughout several ports of call in South America; GATR antenna was used to assist with communications efforts in the search for a missing girl in San Diego, California. Also pictured on page 1: Officers with the Air Force Special Operations Command set up the inflatable antenna at Hurlburt Field in Florida.

An important objective of the NASA SBIR/STTR Programs is to enable small businesses to achieve success in their endeavors. One method we use is to highlight successful projects in this newsletter, calling them "success stories. You can find more at our website: <http://sbir.gsfc.nasa.gov/SBIR/success.htm>. If you would like to submit your SBIR/STTR technology for consideration into our success stories gateway, please email: arc-sbirpmo@nasa.gov.

Technology Infusion Managers' Voices: Phase II Enhancement FAQs

NASA has developed a Phase II Enhancement (II-E) policy to further encourage transitioning SBIR research into NASA programs and the private sector. Phase II-E can provide a company with up to \$150K of additional Phase II SBIR/STTR funds. To be eligible, the company must provide matching (cost-sharing) funds from a non-SBIR/STTR source. Phase II-E can extend an existing Phase II contract from 4 months up to one year.

Q1: Where can I find instructions on how to apply?

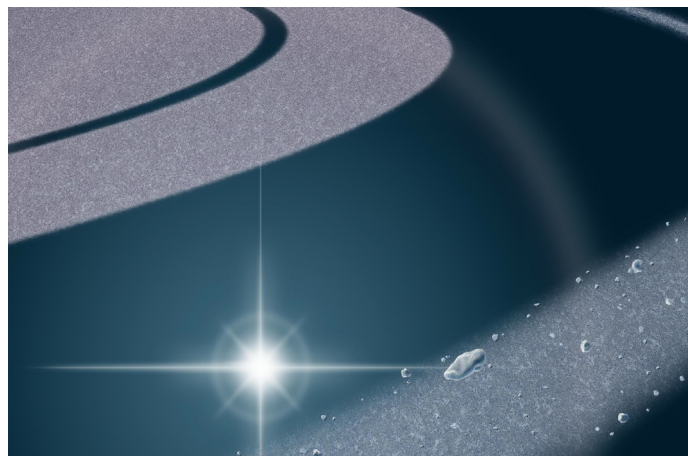
A1: In the NASA SBIR/STTR Contract Administration and Closeout Electronic Handbook (EHB) at <https://ehb8.gsfc.nasa.gov/contracts/public/firmHome.do>. This also includes a link to the section "What Qualifies as Investment under NASA's SBIR/STTR Phase II Enhancement", which is NASA's official guidance on what types of relationships between a small company and outside investors qualify.

Q2: When is the proposal submittal period?

A2: The proposal submittal period for active Program Year 2008 (PY'08) Phase II companies will be early to mid calendar 2011. NASA HQ will announce the exact dates in early 2011. There is one submittal period per year. Note the time phasing: PY'09 Phase II companies will be eligible in 2012; PY'10 Phase II companies will be eligible in 2013, etc.

Q3: What items do I need to include in my Phase II-E application?

A3: Six parts must be submitted at <https://ehb8.gsfc.nasa.gov/contracts/public/firmHome.do> (1) Phase II-E Application Form, (2) Letter of Commitment from a qualified cost-sharing source, (3) Statement of Work for enhancement effort, (4) Cost Proposal for enhancement effort, (5) Summary Briefing Chart, and (6) Commercialization Plan.



Star passing behind Saturn's F ring.

Q4: I don't have cost-sharing funds confirmed. Can I still submit a Phase II-E application if I need only \$150K and just want to apply for the SBIR portion?

A4: No, matching funds from a non-SBIR/STTR source are required.

Q5: I have a Phase II SBIR contract with another funding agency, but I'm also interested in NASA applications. Can I apply for NASA Phase II-E funding?

A5: No, only an active NASA Phase II contract can be augmented with NASA Phase II-E funds.

Q6: In a Phase II-E award, can the amount of the matching funds exceed the size of the SBIR portion?

A6: Yes. The SBIR portion is limited to \$150K, but the matching funds portion is not limited.

Q7: I'm familiar with several DoD SBIR transition funding programs, such as Phase II.5 (Navy) and Phase II-E (Army). Does NASA's Phase II-E operate like these DoD programs?

A7: The basic principles are similar – encouraging post Phase II technology transition, infusion and commercialization – but the details are different. Make sure to read the NASA program description carefully, even if you are familiar with analogous programs at other agencies.

Q8: If I have a question that isn't addressed in the EHB or in these FAQ, who should I contact?

A8: Please contact the NASA SBIR/STTR Program Support Office at 301-937-0888 or sbir@reisys.com

guide to success

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NASA SBIR/STTR
www.sbir.nasa.gov

Office of the Chief Technologist
www.nasa.gov/oct

Innovation Partnerships Program
www.ipp.nasa.gov

Small Business Administration
www.sba.gov

National Technology Transfer Center (NTTC) www.nttc.edu

NTTC/NASA Small Business Innovative Partnerships Program (SBIPP)
www.sbipp.com/technologyportfolios

NASA Technology Needs
www.techbriefs.com

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